ABSTRACT OF THE INVENTION

A suction-type seed metering apparatus operably arranged in combination with the seed storage hopper. The seed metering apparatus comprises a disc vertically mounted with driven rotation about a fixed rotary path of movement and having a circular role of apertures adjacent to peripheral to disc. A housing is arranged in seed receiving relation relative to the seed hopper. The housing has its interior divided by the disc into two adjacent enclosures. One enclosure at least partially defines a chamber for seeds and opens to the seed hopper. The other enclosure extends at least partially around the path of movement of the disc apertures and constitutes a vacuum chamber having leading and trailing ends with an opening leading to the chamber intermediately leading and trailing ends. The trailing end of the chamber is arranged adjacent to seed drop area from whence seeds gravitationally fall for deposit in a furrow. A salient feature of the present invention concerns the provisions of a series of openings arranged proximate to the seed drop area for enhancing the release of seeds from the disc of the metering apparatus. The openings defined in the housing of the seed metering mechanism allows atmospheric air to enter into the housing thereby eliminating the suction or draw of air through the housing. Thus, the seeds are permitted to freely and gravitationally fall from the seed discharge area without being rearwardly drawn under the influence of a vacuum pressure.